

CLAIMS

1. A vibration isolation support for mounting an engine in a vehicle frame, said engine having a theoretical roll axis, said vibration isolation support comprising:
 - an engine bracket fixed to said engine;
 - 5 a frame bracket fixed to said vehicle frame; and
 - an isolator connected between said engine bracket and said frame bracket, where said isolator is radially symmetrical about a longitudinal axis, and said engine bracket is fixed to said engine and said frame bracket is fixed to said frame such that a vertical plane drawn through said isolator's longitudinal axis is perpendicular to a
 - 10 horizontal plane drawn through said theoretical roll axis, and said isolator's longitudinal axis intersects said horizontal plane through said theoretical roll axis at an acute angle that is less than or equal to 45° .
2. The vibration isolation support of claim 1, where said isolator comprises
- 15 elastomeric material.
3. The vibration isolation support of claim 1, where said isolator comprises elastomeric material surrounding a metal block.
- 20 4. The vibration isolation support of claim 1, where said isolator comprises a metal band surrounding elastomeric material.

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5. The vibration isolation support of claim 1, where said frame support is connected to said frame such that said frame support acts as a stop for said isolator.